**Research Question**

Compare how intercropping peppers with different flowering plants (sunflower, zinnia, and dianthus) versus a pepper monoculture (control) affects variables like yield, disease incidence, and insect populations.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Pepper(outer) | | Pepper(inner) | | SunFlower | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Zinnia | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Dianthus | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Pepper | | Pepper(inner) | | Pepper(outer) | |
| |  | | --- | | Pepper(outer) | | Pepper(inner) | | Dianthus | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Pepper | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | SunFlower | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Zinnia | | Pepper(inner) | | Pepper(outer) | |
| |  | | --- | | Pepper(outer) | | Pepper(inner) | | Pepper | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | SunFlower | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Zinnia | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Dianthus | | Pepper(inner) | | Pepper(outer) | |
| |  | | --- | | Pepper(outer) | | Pepper(inner) | | Zinnia | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Dianthus | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | Pepper | | Pepper(inner) | | Pepper(outer) | | |  | | --- | | Pepper(outer) | | Pepper(inner) | | SunFlower | | Pepper(inner) | | Pepper(outer) | |

4 Treatments

* Peppers(control)
* Sunflower
* Zinnia
* Dianthus

Response collected

* Outer pepper yield and Inner Pepper yield (Harvesting time not equally spaced)
* Insect damage to plant (Based on ratings (1-5), conducted every week)
* Insect Diversity